

User Manual

Please type in:

```
javac UserInterface.java
```

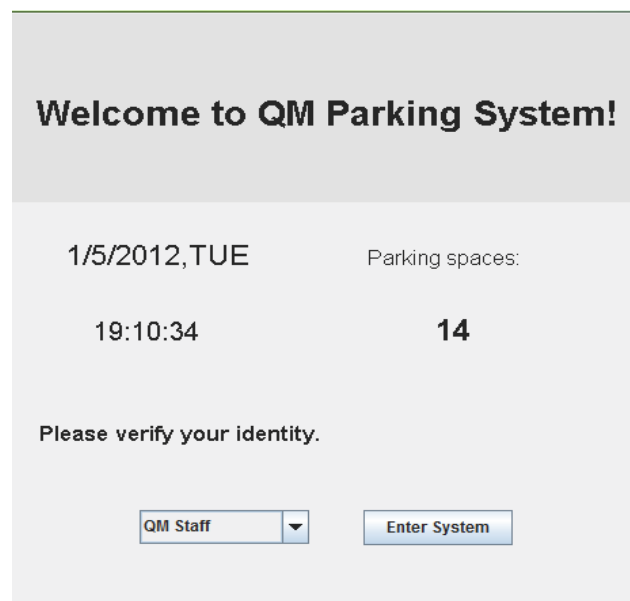
```
java UserInterface
```

to run this program.

The main screen shot

1.0 The screen shows as below the system is waiting of someone to enter.

Car parkers can choose the identity they suit by selecting from the interface.



Welcome to QM Parking System!

1/5/2012, TUE Parking spaces:

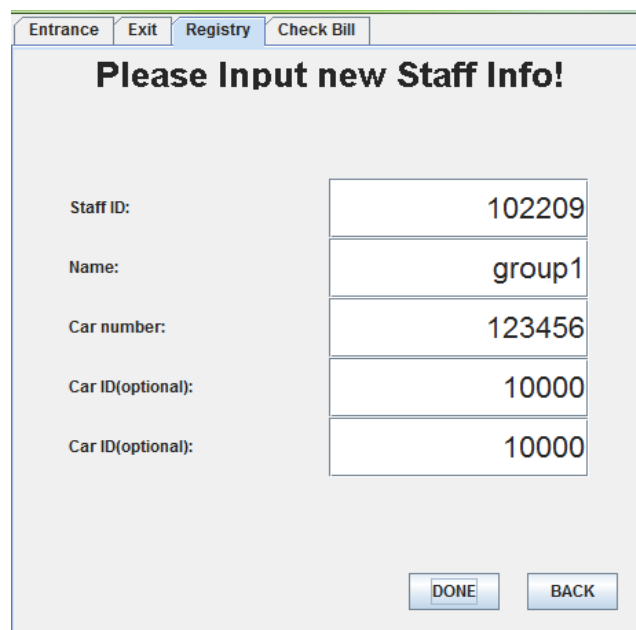
19:10:34 **14**

Please verify your identity.

QM Staff Enter System

2.0 Enter the system by QM Staff

2.0.1 If the staff does not have the Staff ID, he must registry.



Entrance Exit Registry Check Bill

Please Input new Staff Info!

Staff ID: 102209

Name: group1

Car number: 123456

Car ID(optional): 10000

Car ID(optional): 10000

DONE BACK

2.0.2 If the Staff ID information is wrong, the screen shows as below.

The screenshot shows the 'Entrance' screen of the QM Parking System. At the top, there are tabs: 'Entrance', 'Exit', 'Registry', and 'Check Bill'. The main heading is 'Welcome to QM Parking System!'. Below this, the date '1/5/2012, TUE' and time '19:13:3' are displayed. To the right, there are input fields for 'Campus Card ID' (containing '102209') and 'Car number' (containing '567894'). Below these, it says 'Parking spaces:' followed by the number '14'. At the bottom right, there are 'DONE' and 'BACK' buttons. A message box titled '消息' (Message) is overlaid on the screen, containing an information icon and the text 'This car has not been registered yet.' with a '确定' (Confirm) button.

2.0.3 If the car parking spaces are full, the screen shows as below.

The screenshot shows the 'Entrance' screen of the QM Parking System. At the top, there are tabs: 'Entrance', 'Exit', 'Registry', and 'Check Bill'. The main heading is 'Welcome to QM Parking System!'. Below this, the date '1/5/2012, TUE' and time '19:43:44' are displayed. To the right, there are input fields for 'Campus Card ID' (containing '1022013') and 'Car number' (containing '123456'). Below these, it says 'Parking spaces:' followed by the number '0'. At the bottom right, there are 'DONE' and 'BACK' buttons. A message box titled '消息' (Message) is overlaid on the screen, containing an information icon and the text 'Sorry! Park is full.' with a '确定' (Confirm) button.

2.0.4 If the parking space is available, and the ID information is correct, the screen will jump out a welcome window.

The screenshot shows the 'Entrance' screen of the QM Parking System. At the top, there are tabs: 'Entrance', 'Exit', 'Registry', and 'Check Bill'. The main heading is 'Welcome to QM Parking System!'. Below this, the date '1/5/2012, TUE' and time '19:14:0' are displayed. To the right, there are input fields for 'Campus Card ID' (containing '102209') and 'Car number' (containing '123456'). Below these, it says 'Parking spaces:' followed by the number '14'. At the bottom right, there are 'DONE' and 'BACK' buttons. A message box titled '消息' (Message) is overlaid on the screen, containing an information icon and the text 'Welcome, QM stuff!' with a '确定' (Confirm) button.

2.0.5 If the car will leave, the car ID was incorrectly input, the screen shows as below.

The screenshot shows a software interface with a top navigation bar containing 'Entrance', 'Exit', 'Registry', and 'Check Bill'. The main area displays 'Goodbye, Drive Safe!' in large bold text. Below this, the date '1/5/2012, TUE' and time '19:16:1' are shown. A 'Parking spaces:' section displays the number '13'. A 'Campus Card ID:' label is positioned above a text input field containing '345677'. At the bottom are 'DONE' and 'BACK' buttons. An error message dialog box is overlaid on the screen, titled '消息' (Message), with an information icon and the text 'This ID's car is not in the park.' and a '确定' (Confirm) button.

2.0.6 If the car will leave and the ID is correctly inserted, the screen shows as below.

The screenshot shows the same software interface as in 2.0.5. The main area displays 'Goodbye, Drive Safe!' in large bold text. Below this, the date '1/5/2012, TUE' and time '19:15:10' are shown. A 'Parking spaces:' section displays the number '13'. A text input field contains '102209'. At the bottom are 'DONE' and 'BACK' buttons. A success message dialog box is overlaid on the screen, titled '消息' (Message), with an information icon and the text 'Bye, QM staff! Drive safe!' and a '确定' (Confirm) button.

2.0.7 If the QM Staff wants to check the bill, he can choose the matching button, and follow the instruction. If the ID was wrong, the screen shows as below.

The screenshot shows a software interface with a top navigation bar containing 'Entrance', 'Exit', 'Registry', and 'Check Bill'. The main area displays 'Input your ID to check monthly bill!' in large bold text. Below this, the label 'Your staff ID:' is positioned above a text input field containing '098765'. At the bottom are 'DONE' and 'BACK' buttons. An error message dialog box is overlaid on the screen, titled '消息' (Message), with an information icon and the text 'Your Account number does not exist!' and a '确定' (Confirm) button.

2.0.8 If the ID is correct, the screen shows as below.

Entrance Exit Registry Check Bill

Input your ID to check monthly bill!

Your staff ID:

102209

消息

You have entered the parking area for 1 days

确定

DONE BACK

3.0 Enter the system by customer

3.0.1 The welcome interface shows as below.

Entrance Exit Park info

Welcome to QM Parking System!

1/5/2012,TUE

19:18:50

Parking spaces:

14

get ticket

BACK

3.0.2 Click the round button (get ticket), the instruction will show as below.

Entrance Exit Park info

Welcome to QM Parking System!

1/5/2012,TUE

19:20:29

Parking spaces:

14

get ticket

BACK

输入

?

Please enter your car number:

572000

确定 取消

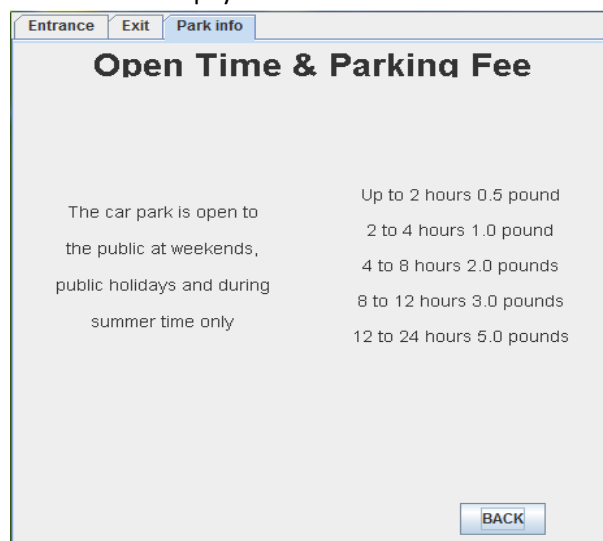
3.0.3 If the park is full, the screen shows as below.



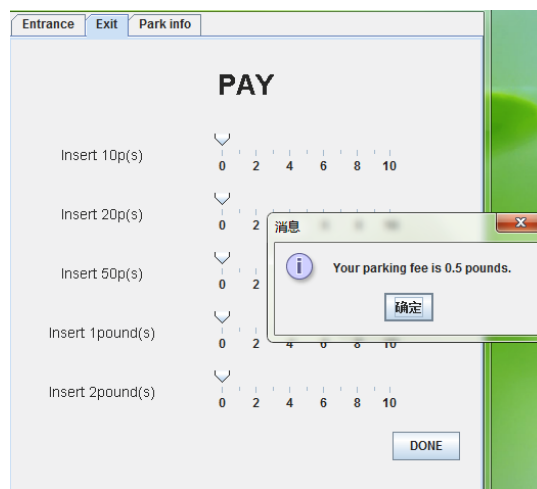
3.0.4 If the space is available, the car parker will get a ticket ID.



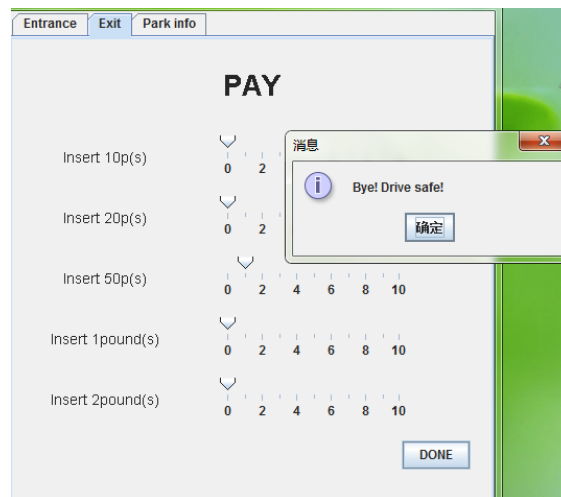
3.0.5 The customer can see the payment in "Park information".



3.0.6 If the customer wants to leave ,the screen shows as below in the Exit.

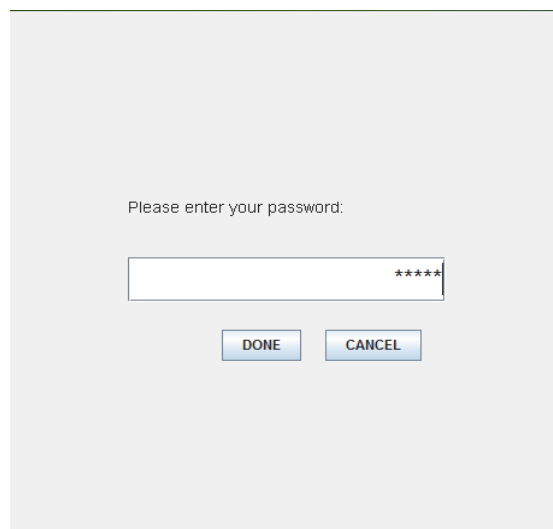


3.0.7 As the customer pay the matching money, the goodbye interface shows as below.

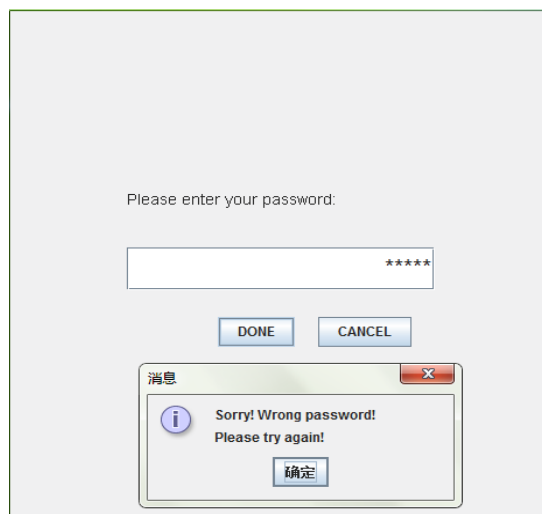


4.0 Enter the system by Operator

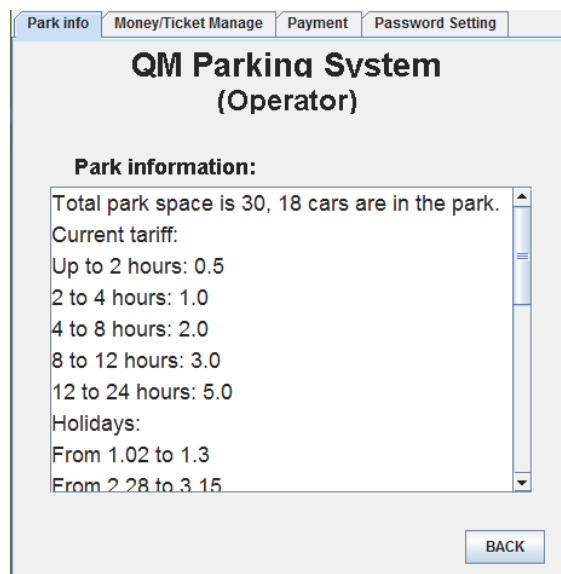
4.0.1 The screen shows as below.



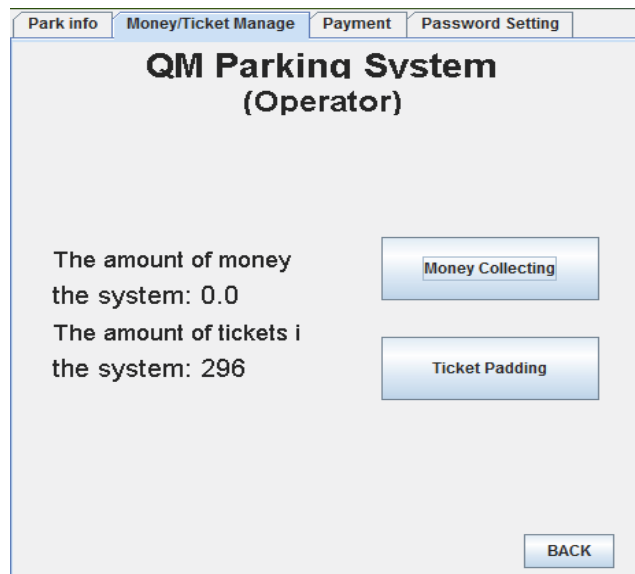
4.0.2 If the password is wrong, the warning shows as bellow.



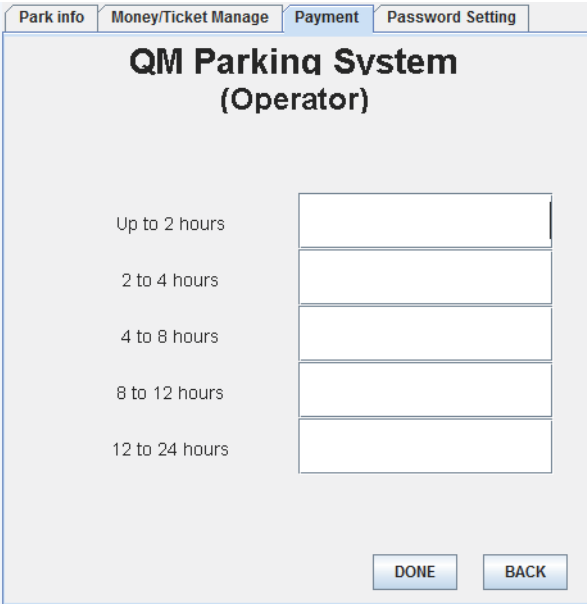
4.0.3 The park information interface shows as below.



4.0.4 The Money/Ticket Manage interface shows as below.



4.0.5 The payment interface shows as below.



The screenshot shows the 'Payment' tab of the 'QM Parking System (Operator)' interface. The title bar contains four tabs: 'Park info', 'Money/Ticket Manage', 'Payment' (which is selected), and 'Password Setting'. The main content area has the title 'QM Parking System (Operator)' at the top. Below the title, there are five rows of labels and input fields: 'Up to 2 hours', '2 to 4 hours', '4 to 8 hours', '8 to 12 hours', and '12 to 24 hours'. Each label is followed by a rectangular input field. At the bottom right of the interface, there are two buttons: 'DONE' and 'BACK'.

4.0.6 The Password Setting interface shows as below.



The screenshot shows the 'Password Setting' tab of the 'QM Parking System (Operator)' interface. The title bar contains four tabs: 'Park info', 'Money/Ticket Manage', 'Payment', and 'Password Setting' (which is selected). The main content area has the title 'QM Parking System (Operator)' at the top. Below the title, there are three rows of labels and input fields: 'Your Password:', 'New Password:', and 'Re-enter New Password:'. Each label is followed by a rectangular input field. At the bottom right of the interface, there are two buttons: 'DONE' and 'BACK'.